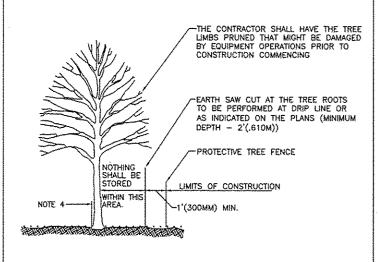
F.A.P. RTE.	SECTION	1	COUNTY		TOTAL SHEETS	SHEET NO.	
338/IL 59	-2011-035-I		DUPAGE				
				CONT	RACT 60	² 42	
FED.ROAD.DIST.NO.		ILLINOIS		FED. AID PROJECT			



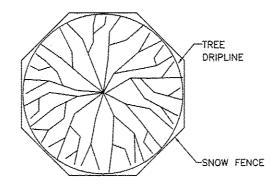


NOTE:

- 1. IF A UTILITY MUST BE WITHIN 15 FEET OF A TREE TRUNK, IT IS RECOMMENDED THAT IT BE AUGERED.
- 2. ALL TREES PROTECTED SHALL BE DEEP ROOT FERTILIZED.
- 3. ALL TREES SHALL BE WATERED.
- 4. PROTECT TREES WITH PLANKS FOR 10' ABOVE GROUND AND COMPLETELY
- 5. ALL MATERIALS SUPPLIED BY CONTRACTOR.

KAPKEYILK FUELC	 · ····································	 DATE: 05-01-05
UNILITIES DEPARTMENT ELECTRIC STANDARDS	PROTECTION	Page 1 of 1 60468-300

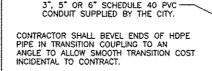
RECOMMENDED PRACTICES FOR TREES TO BE SAVED



- 1. SNOW FENCE SHALL EXTEND TO THE DRIPLINE OF THE TREE. THE SNOW FENCE SHALL BE HIGH ENOUGH SO AS TO BE VISIBLE TO ALL CONSTRUCTION PERSONNEL.
- 2. GRADE CHANGES, UTILITY TRENCHES, STORAGE OF CONSTRUCTION MATERIAL, DUMPING OF WASTE OR STORAGE OF CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED WITHIN SNOW FENCING.
- 3. IF A UTILITY MUST BE WITHIN 15'(4.57M) OF A TREE TRUNK, IT IS RECOMMENDED THAT IT BE AUGERED.
- 4. ALL TREES TO BE SAVED WHICH HAVE BEEN SUBJECTED TO CONSTRUCTION ACTIVITY WITHIN THE DRIPLINE SHOULD BE SELECTIVELY THINNED 10% BY AN ARBORIST SKILLED AT THE SELECTIVE THINNING PROCEDURE. NONE OF THE TREES SHALL BE TOPPED, HEADED BACK, SKINNED (REMOVAL OF THE INTERIOR BRANCHES), OR CLIMBED WITH SPIKES. ALL DEAD WOOD SHOULD BE REMOVED TO AVOID HAZARD.
- 5. IT IS RECOMMENDED THAT FOLLOWING CONSTRUCTION, TREES BE MAINTAINED IN THEIR NATIVE CONDITION, NO LAWN SHOULD BE PLACED AROUND THE TREES. IT IS RECOMMENDED THAT THE AREA BE MULCHED WITH 2"(50MM) OF DECOMPOSED LEAVES AND 2"(50MM) OF WOOD CHIPS OR BARK.
- 6. ALL TREES PROTECTED SHALL BE DEEP ROOT FERTILIZED.
- 7. ALL TREES SHALL BE WATERED.
- 8. ALL MATERIALS SUPPLIED BY CONTRACOR.

1	HAPTEN PURIL	1				DATE: 05-01-08	
1_3	THE THE DEPARTMENT	RECOMMENDED	PRACTICES FOR	TRUES T	O BE SAV	D Page 1 of 1	
100	ECTRIC STANDARDS					60468-310	

TYPICAL CONDUIT CONNECTIONS ENTERING MANHOLE, HANDHOLE AND VAULTS WHEN HDPE CONDUIT IS USED 3", 5" AND 6" HOPE SOR 13.5 CONDUIT-





INSTALL-3", 5" AND 6" SCHEDULE 40 PVC

BOTH ENDS (SEE SAMPLE AT LOWER RIGHT).

KAPERVILLE PUBLIC

- 3. COST TO PROPERLY INSTALL CONDUIT FROM ONE ELECTRICAL FACILITY TO ANOTHER IS INCIDENTAL TO THE COST OF THE WORK.
- 4. DUCT PACKAGE CAN BE ANY NUMBER OF DUCTS, FROM 2 DUCTS TO 18
- 5. COST OF ALIGNING DUCTS ARE INCIDENTAL TO THE CONTRACT.

3", 5" AND 6" STEEL BENDS, 30" TO 48" RADIUS, OR STEEL STRAIGHT SECTION 3", 5" AND 6" TRANSITION COUPLING FOR HOPE SDR 13.5 TO SCHEDULE 40 PVC, SUPPLIED BY THE CONTRACTOR. 3", 5" OR 6" SCHEDULE 40 PVC-ROTATE CONDUIT TO FORM THE PROPER — CONDUIT PACKAGE LEAVING THE MANHOLE, HANDHOLE OR VAULT PER SPECIFICATION. THREADED COUPLINGS SUPPLIED BY THE CONTRACTOR OR STOP COUPLINGS SUPPLIED BY THE CITY. TYPICAL ELECTRICAL MANHOLE, SWITCH GEAR VAULT OR -3", 5" AND 6" SCHEDULE 40 PVC CONDUIT HANDHOLE. SUPPLIED BY THE CITY. -SEE NOTE 1 5' TO 10' ~ MANHOLE #1 -STEEL CONDUIT SEE NOTE 2 20' TO 60' — HDPE CONDUIT IS NOT — ACCEPTABLE IN THIS AREA TO MANHOLE #2 3", 5" AND 6" SCHEDULE 40 SUPPLIED BY THE CITY IN THIS AREA. IN THIS AREA 3", 5" AND 6" HDPE SDR 13.5 —/
CONDUIT DUCT PACKAGE
CONTRACTOR DIRECTIONALLY DRILLED CONTRACTOR IS ADVISE THAT DURING THE DIRECTIONALLY DRILLING PROCEDURE. THE HDPE WILL ROTATE, TWIST AND NOT LINE UP. THE (SEE NOTE 4) 1. SEE SPECIFICATION FOR PROPER DUCT ALIGNMENT INTO MANHOLE PRIOR TO CONNECTING TO MANHOLES, VAULTS AND 2. SEE SPECIFICATION FOR PROPER DUCT ALIGNMENT ON THE OTHER END OF DUCT RUN THE NUMBERED DUCTS SHOULD BE IN THE SAME LOCATION ON $\Theta \Theta$ ΘΘ

> UTLITIES DEPARTMENT ELECTRIC STANDARD ROUTE 59 ROAD IMPROVEMENTS SECTION SECTION DETAILS AND STANDARDS 4211,4212,4223 RCC 5-11-12 DL 39 OF 63 0060648001D139.DWG Department of Public Utilities Naperville 60468 Electric Division

DATE: 01-62-08

80468-320

SAMPLE OF HOW DUCTS ARE TO LINE UP

MH #1

CONTRACT 60P42 SHEET 171 OF 234

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-MH #2